



PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Mao

Application No.: 10/820,469

Filed: April 7, 2004

For: METHOD AND APPARATUS TO DETECT
AND REMOVE AUDIO DISTURBANCES

Group Art Unit:

Examiner: Unassigned

Atty. Docket No.: SONYP034

Date: June 3, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on June 3, 2005.

Signed:

Melinda M. Ward

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the attached PTO Form 1449 at the appropriate locations.

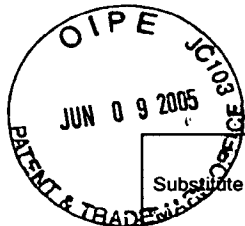
Applicants state that each item of information listed in the attached PTO Form 1449 was cited in a communication in a counterpart international application not more than three months prior to the filing of this statement.

Applicant believes no fees are due, however, the Commissioner is authorized to charge any additional fees that may be due to our Deposit Account No. 50-0805 (Order No. SONYP034).

Respectfully submitted,
MARTINE PENILLA & GENCARELLA, LLP

Michael L. Gencarella, Esq.
Reg. No. 44,703

710 Lakeway Drive, Suite 200
Sunnyvale, CA 94085
Telephone: (408) 749-6900
Customer Number 25920



Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/820,469
				Filing Date	April 7, 2004
				First Named Inventor	Mao
				Art Unit	2644
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	SONYP034

U.S. Patent Documents

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/DF/	A	6,339,758	Jan. 15, 2002	Kanazawa et al.	
	B				
	C				
	D				
	E				
	F				
	G				
	H				

Foreign Patent Documents

Examiner Initial	Cite No. ¹	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number- ⁴ Kind Code ⁵ (if known)				
	I					<input type="checkbox"/>
	J					<input type="checkbox"/>
	K					<input type="checkbox"/>

Non Patent Literature Documents

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/DF/	L	OSAMU HOSHUYAMA and AKIHIKO SUGIYAMA, "A Robust Generalized Sidelobe Canceller with a Blocking Matrix Using Leaky Adaptive Filters", Electronics and Communications in Japan, Part 3, Vol. 80, 1997 pages 56 - 65
/DF/	M	LUCAS PARRA and CHRISTOPHER ALVINO, "Geometric Source Separation: Merging Convolutional Source Separation With Geometric Beamforming", Samoff Corporation
/DF/	N	SHOKO ARAKI, SHOJI MAKINO, RYO MUKAI and HIROSHI SARUWATARI, "Equivalence Between Frequency Domain Blind Source Separation and Frequency Domain Adaptive Null Beamformers", NTT Communication Science Laboratories

Examiner Signature	/Devona Faulk/	Date Considered	11/19/2008
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Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.